

TABLE 1

Treatability Monitoring

In Situ Chemical Oxidation Treatability Study Work Plan, Davis Global Communications Site

Well Type	Phase 1 Locations	Phase 2 Locations	Frequency and Analyses ^{a,d}
Treatment Zone	MW-3, MWB-25 , and MWB-26 ^b	MW-1 ^c , MW-3, MW-7 ^c , MWB-25 , and MWB-26	<p>During injection process monitoring—WL, temperature, ORP, pH, and conductivity (every two hours for the first two days, and then three times a day thereafter until injection is complete). Samples for permanganate will be collected daily from wells with ORP readings greater than 400 mV.</p> <p>Every other week for one month—permanganate, ORP conductivity, and pH.</p> <p>Monthly for two months—TDS, VOCs, permanganate, ORP, conductivity, pH, Mn, Cd, Pb, Hg, Ni, Ag, and Total Cr.</p> <p>Quarterly until Phase 2—same analytes as for monthly and Cr(VI) during the last quarterly event if permanganate is not present.</p>
Transition Zone	MW-2, MW-4, MW-8, EW-1C, MW-C-27 ^b	MW-2, MW-4, MW-8, EW-1C, MW-C27 ^b	Quarterly until Phase 2—TDS, VOCs, permanganate, ORP, conductivity, pH, Mn, Cd, Pb, Hg, Ni, Ag, Total Cr, and Cr(VI) during the last quarterly event if permanganate is not present.
Compliance Well	MWB-14 and MWC-14	MWB-14 and MWC-14	Quarterly until Phase 2—TDS, VOCs, permanganate, ORP, conductivity, pH, Mn, Cd, Pb, Hg, Ni, Ag, Total Cr, and Cr(VI) during the last quarterly event if permanganate is not present.

^a Groundwater elevations will be measured at all well locations semi-annually. If permanganate is present in any samples, the samples for VOCs will be neutralized with permanganate in the field. All other samples will be submitted with permanganate in the samples to limit influence on the result. Cr(VI) cannot be analyzed if permanganate is present in a sample due to potential to damage the instrument and influence of field neutralization on sample results.

^b Wells shown in bold text are recommended for installation.

^c MW-1 and MW-7 will continue to be sampled semi-annually until the start of the Phase 2 treatability study.

^d Sulfate will be added as an analyte if sodium thiosulfate is injected during implementation of the contingency plan.

Samples for metals analyses will be field filtered.